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REPORT NO. 8

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DEC 27 '74

Cotton Fiber and Processing Test Results

CROP of

1974



Agricultural Marketing Service
U.S. DEPARTMENT OF AGRICULTURE
Memphis, Tenn. 38122 November 22, 1974

These reports are published bi-weekly during the harvesting season and will be summarized in a comprehensive report at the end of the crop year. A detailed description of the tests shown in this report may be found in the summary report for the previous season.^{1/} These reports are available on request from the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, 4841 Summer Avenue, Memphis, TN 38122.

^{1/} Summary of Cotton Fiber and Processing Test Results, Crop of 1973, USDA, AMS, Cotton Division, May 1974.

COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1974

Discussion of Test Results

Cotton Division laboratories of the Agricultural Marketing Service, USDA, report that short staple samples tested through November 15 from the Southwest show fiber to be shorter, less uniform and finer than a year ago. Fiber strength is stronger at zero gage and slightly weaker at 1/8" gage tests. Picker and card waste is higher than a year ago. Yarns spun from these samples are weaker, with lower appearance grades and fewer imperfections. The average spinning potential yarn number is lower than last year.

Averages for all medium staple samples tested to date show cottons to be finer with all other fiber properties about the same as a year ago. Yarns spun from these samples have lower appearance grades with imperfections being fewer than last season.

Medium staple samples from the Southeast show fibers to be longer and finer. Shirley Analyzer nonlint content is less than a year ago. Yarns spun from these samples show fewer imperfections.

South Central medium staple samples tested to date show cotton fibers to be finer. Fiber strength is stronger at 1/8" gage tests. Picker and card waste is higher than a year ago. Yarns spun from these samples show lower appearance grades. Imperfections are fewer than a year ago.

Southwest medium staple samples tested show stronger fiber strength at zero gage tests. Picker and card waste is higher. Yarns show lower appearance grades with fewer imperfections.

Medium staple samples from the West show weaker fiber strength than a year ago. Picker and card waste is higher. Yarn appearance grades are lower and imperfections are fewer than last year.

Long staple samples tested from the Southeast to date are longer, finer and weaker at 1/8" gage tests. Yarn strength is stronger for combed yarns. Carded and combed yarn appearance grades are considerably lower than a year ago at this time. The average spinning potential yarn number is lower.

South Central long staple samples tested show about the same fiber properties as a year ago except fiber strength is slightly weaker at 1/8" gage tests. Shirley Analyzer nonlint content is less than a year ago. Comber waste is higher. Yarns spun from these samples show both carded and combed strength to be weaker with lower appearance grades. Spinning potential number is lower.

Long staple samples from the West are finer and weaker than a year ago. Shirley Analyzer nonlint content and comber waste are both higher. Yarn strength is weaker and appearance grades are lower for both carded and combed yarns. Imperfections are greater than a year ago.

The average for all long staple samples tested show longer, finer and weaker fiber test results to date. Comber waste is higher. Carded yarn strength is weaker. Appearance grades are lower for both carded and combed yarns. Spinning potential is lower than last season.

Table 1.--Cotton: Averages of fiber and processing tests from selected gin points in the United States through November 15, 1974 1/

Staple group Area, and Crop year	Lots tested	Fiber test results						Processing test results																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		Fibrograph		Mike fine- ness	Fiber strength		S A nonlint	P & C waste	Yarn quality		Spin. Potent.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		2.5% span	50/2.5 unif.		Pct.	Rdg.			Mpsi	G/tex		Pct.	Lbs.	Index	No.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples.

Table 1.--Cotton: Averages of fiber and processing tests from selected gin points in the United States
1/ (Continued)
through November 15, 1974

Staple group, Area, and Crop year	Lots	Fiber Test Results						Processing Test Results										SPY			
		Length		Mike	Strength		SA Non- lint	P&C Waste	Comber Waste	Yarn Quality											
		Span	Unif		Zero	1/8" gage				Strength carded	Lbs. carded	Indx carded	Appearance combed	Imprfctns card	comb						
No.	In.	Pct.	Rdg.	Mpsi	G/tx	Pct.	Pct.	Pct.	Lbs.	Lbs.	Indx	Indx	No.	No.	No.						
22s Carded & Combed Yarn																					
<u>Long Staple:</u> Southeast	7	1.12	45	4.6	82	23	3.8	8.4	17.3	106	121	121	128	16	8	71					
	6	1.16	44	4.2	81	22	3.6	8.2	17.1	106	124	103	115	17	8	68					
South Central	4	1.14	44	4.4	86	24	3.8	8.4	17.3	109	127	120	130	18	8	67					
	4	1.15	44	4.3	86	23	3.3	8.5	18.2	104	124	102	118	17	7	64					
West	4	1.15	46	4.1	94	27	2.1	6.8	14.6	139	155	108	122	14	7	90					
	3	1.16	45	3.8	91	25	2.6	7.2	15.7	130	149	97	107	17	7	91					
U.S. Average	15	1.13	45	4.4	87	24	3.4	8.0	16.6	116	132	117	127	16	8	75					
	13	1.16	44	4.1	85	23	3.3	8.1	17.1	111	130	102	114	17	7	72					
Significant Difference 2/		0.02	2	0.2	2	1	0.5	0.5	0.5	4(22s)	4(22s)	5	5	2	2	3					

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples.

Table 2 --Cotton, American upland short staple: Quality characteristics by production areas, crop of 1974

Production Area, Classification				Fiber Test Results										Processing Test Results - Carded Yarns											
Sample Number				Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-lint		Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Potent-ial		
				2.5% span	Unif		Zero Gage	1/8" Gage		Pct	Pct	Gra	Yel		8s or 74 tx	22sor 27 tx	8s or 74 tx	22sor 27 tx	8s or 74 tx	22sor 27 tx	8s or 74 tx	22sor 27 tx			
No	Grade	Stple	32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No			
SOUTHWEST AREA																									
CENTRAL TEXAS																									
WAXAHACHIE																									
2	LM	LT	SP	52	29	0.89	43	4.2	89	18	LANKART 57	5.2	3.6	6	3	7.6	239	68	5.6	4.9	110	80	38	20	30
3	LM	LT	SP	52	29	0.90	43	4.1	86	18		5.3	4.1	6	3	8.2	231	63	5.4	4.5	120	80	33	18	27
WAXAHACHIE																									
3	LM	LT	SP	52	30	0.91	43	4.1	86	18	LANKART LX 571	5.2	3.1	5	4	7.8	256	74	5.6	4.9	110	80	37	22	32

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974

Production Area, Classification & Sample Number				Fiber Test Results								Processing Test Results - Carded Yarns														
No	Grade	Style	32s	Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint		Color Raw Stock		P & C Waste		Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Potential		
				2.5% span	Unif.		Zero Gage	1/8" Gage		Pct	In	Pct	Rdg	Mpsi	G/tex	Pct	No	Yel	Pct	Waste	Lbs	Los	Pct		22s or 27 tx	50s or 12 tx
SOUTHEAST AREA																										
ALABAMA																										
GREENBRIER		41	34	1.09	45	4.4	80	21	8.2	2.1	1	3	5.7	98 PERCENT				104	34	7.3	4.9	90	70	19	14	60
PRATTVILLE																										
2 SLM		41	35	1.13	45	4.2	91	24	5.9	2.9	2	3	6.1	100 PERCENT				113	41	6.3	4.5	90	70	22	15	73
ST CLAIR																										
2 SLM		41	34	1.07	46	4.6	82	21	6.9	3.0	2	3	7.4	85 PERCENT				90	27	6.2	3.7	110	80	16	14	52
SYLACAUGA																										
1 SLM		41	34	1.06	47	4.5	86	23	6.2	2.4	2	3	5.7	100 PERCENT				109	38	6.2	4.4	110	90	12	9	66
2 SLM		41	35	1.07	47	4.3	88	22	6.4	2.1	3	3	5.6	95 PERCENT				112	41	6.2	4.5	110	90	11	10	69
TUSKEGEE																										
2 SLM		41	34	1.07	45	4.5	79	22	8.0	2.4	2	3	5.7	80 PERCENT				98	32	6.8	4.3	120	90	11	8	61
TYLER																										
2 SLM		41	35	1.10	46	4.3	82	22	6.6	2.2	2	3	5.9	100 PERCENT				104	37	6.0	4.4	100	90	15	10	66
GEORGIA																										
COMER																										
1 SLM		41	35	1.12	46	4.4	82	22	6.8	3.8	2	3	6.3	100 PERCENT				102	34	6.0	4.3	110	100	11	9	63
NORTH CAROLINA																										
SHELBY																										
1 SLM		41	35	1.11	46	4.0	76	23	6.5	2.8	1	3	6.4	100 PERCENT				117	41	6.6	4.7	100	80	14	11	72
SOUTH CAROLINA																										
CALHOUN FALLS																										
2 LM PLUS		50	35	1.09	45	4.2	83	20	6.9	4.4	2	3	6.9	98 PERCENT				109	39	6.4	5.0	100	70	17	11	66
ST MATTHEWS																										
2 SLM		41	35	1.14	45	4.6	82	20	6.9	3.3	2	3	6.3	100 PERCENT				102	35	6.5	4.7	90	80	22	14	63

1/ Cotton stuck to processing rolls.

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974--(Continued)

Production Area, Classification & Sample Number				Fiber Test Results						Processing Test Results - Carded Yarns														
No	Grade	Stple	32s	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Potent- tial		
				2.5% span	Unif.		Zero Gage	1/8" Gage			Pct	Mpsi		G/tex	Pct	Gra	Yel	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx		22s or 27 tx	50s or 12 tx
SOUTH CENTRAL AREA																								
ARKANSAS																								
ALTHEIMER		41	36	1.17	46	4.5	81	24	8.5	3.5	1	2	6.9	119	43	7.2	5.2	100	90	15	10	72		
EUDORA		41	35	1.11	45	4.5	80	23	8.0	3.1	1	2	7.1	107	38	6.5	4.8	100	80	12	11	67		
HUGHES		41	35	1.10	45	4.3	83	23	6.9	2.5	2	3	6.1	105	37	6.4	4.8	90	70	18	15	64		
LEACHVILLE		41	35	1.12	43	4.0	86	22	6.6	2.9	1	3	5.6	111	37	6.3	4.4	90	70	20	13	67		
LEACHVILLE		41	35	1.11	43	4.3	82	23	7.6	3.0	1	3	6.4	110	37	6.9	4.9	90	70	13	11	66		
MARIANNA		41	35	1.08	44	4.4	83	22	6.4	3.1	2	3	6.6	99	31	6.2	4.1	110	80	13	7	55		
OSCEOLA		41	35	1.10	43	4.0	90	22	6.0	4.4	1	3	7.5	104	34	6.4	4.2	80	70	18	14	61		
TYRONZA		41	35	1.11	44	4.3	82	23	6.7	1.9	1	2	5.8	107	35	6.4	4.5	100	80	17	9	60		
WILSON		41	36	1.16	44	3.8	81	22	8.4	3.0	2	3	6.6	122	45	7.6	5.6	110	70	19	12	82		
LOUISIANA BUNKIE		51	34	1.06	45	4.6	83	20	6.9	2.9	3	3	6.6	94	31	5.8	3.8	110	100	11	8	62		
LAKE PROVIDENCE		41	35	1.13	44	4.2	80	22	7.6	2.7	1	2	5.8	107	38	7.0	4.8	110	90	16	11	65		
LAKE PROVIDENCE		41	35	1.10	44	4.4	80	21	6.5	2.9	2	3	7.0	102	34	6.0	4.4	110	80	21	14	58		
SHREVEPORT		41	35	1.13	44	4.3	80	23	8.0	2.4	1	2	6.4	105	34	6.5	4.2	110	90	14	9	58		

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974--(Continued)

Production Area, Classification & Sample Number				Fiber Test Results						Processing Test Results - Carded Yarns															
No	Grade	Stple	32s	In	Pct	Rdg	Mike	Digital Fibrograph		Fiber Strength	Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprct'ns		Spin. Poten- tial	
								2.5% span	Unif.				Gra	Yel		Ibs	Lbs	Pct	Pct	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx		22s or 27 tx
SOUTH CENTRAL AREA--(Continued)																									
MISSISSIPPI																									
ARCOLA																									
1	SLM	41	35	1.07	44	4.3	80	24	DELTAPINE 16				2.2	2	2	6.3	109	37	6.2	4.5	100	80	11	6	63
CLARKSDALE																									
1	SLM LT SP	42	35	1.07	44	4.3	82	22	STONEVILLE 213				3.2	3	4	7.4	101	33	6.3	4.2	100	70	26	10	56
GUNNISON																									
2	SLM	41	35	1.11	43	3.9	82	24	DELTAPINE 16				2.2	1	3	6.2	108	37	7.0	5.0	100	70	16	13	67
INDIANOLA																									
2	SLM	41	34	1.09	43	4.2	84	23	DELTAPINE 16				2.9	2	2	6.9	114	40	7.1	4.8	100	90	12	8	68
LAKE CORMORANT																									
1	SLM	41	35	1.15	43	4.4	81	22	DELTAPINE 16				2.8	1	2	5.9	111	39	6.8	4.9	100	70	13	12	67
NATCHEZ																									
2	LM	51	34	1.06	44	4.4	83	22	STONEVILLE 213				3.7	3	3	7.5	94	29	5.9	4.0	90	70	18	15	55
NITTA YUMA																									
2	SLM	41	35	1.11	44	4.3	86	23	DELTAPINE 25				3.2	1	2	6.9	112	40	6.5	4.7	110	80	18	12	63
OLIVE 8 BRANCH																									
1	SLM	41	35	1.09	46	3.9	80	22	STONEVILLE 213				3.1	1	3	6.4	109	40	6.7	5.2	90	80	18	13	67
WATER VALLEY																									
2	SLM	41	35	1.10	43	3.6	77	22	DELTAPINE 16				2.7	1	3	6.1 1/2	107	37	7.4	5.1	90	70	17	14	68
WINONA																									
2	SLM	41	35	1.11	44	3.9	81	23	DELTAPINE 16				2.6	2	3	5.7	113	39	7.2	5.2	110	90	14	11	69
MISSOURI																									
BELL CITY																									
1	SLM	41	35	1.11	43	3.9	81	23	STONEVILLE 213				1.8	1	4	5.1	105	36	7.0	4.8	100	70	16	14	67
PORTAGEVILLE																									
2	SLM	41	36	1.11	44	4.2	82	22	STONEVILLE 213				2.5	1	2	5.7	110	39	6.8	5.0	90	70	12	14	67
SENATH																									
2	SLM	41	35	1.09	43	3.7	80	22	AUBURN M				2.9	2	3	6.1	111	39	7.0	5.2	90	80	16	11	72

1/ Cotton stuck to processing rolls.

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974--(Continued)

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
No	Grade Name & Code	Stple	32s	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imperfct's		Spin. Potent- ial	
				2.5% span	Unif.		Zero Gage	Mpsi			G/tex	Pct		Gra	Yel	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx		22s or 27 tx
SOUTH CENTRAL AREA-- (Continued)																							
TENNESSEE																							
BRADEN																							
1	SLM	41	35	1.10	45	4.3	79	23	8.0	2.2	1	3	6.1	109	34	7.0	4.8	110	80	14	9	65	
MILLINGTON																							
1	SLM	41	35	1.12	44	3.2	82	22	6.9	3.4	1	3	5.9	116	41	7.0	5.0	100	70	21	17	74	
2	SLM	41	35	1.12	47	3.6	83	21	7.4	3.5	1	3	6.5	114	40	7.3	4.9	100	80	13	14	75	
RIDGELY																							
2	SLM	41	35	1.11	44	4.2	83	23	7.4	2.6	1	3	6.2	108	38	6.6	4.9	100	70	21	12	65	
SOUTHWEST AREA																							
CENTRAL TEXAS																							
WHITNEY																							
3	LM LT SP	52	30	0.93	41	3.4	90	19	5.2	4.5	6	3	10.0	59	15 1/2	4.3	3.6	80	70	25	22	29	
TAMCOT SP37																							
WEST AREA																							
ARIZONA																							
BOWIE																							
1	SLM	41	35	1.10	45	4.6	80	22	7.7	3.0	2	3	6.7	101	34	6.8	4.7	100	90	15	12	58	
STONEVILLE 213																							
BUCKEYE																							
1	SLM	41	35	1.11	45	4.9	91	23	5.7	3.0	2	3	6.1	103	35	5.2	3.8	110	90	14	10	60	
STONEVILLE 213																							
CALIFORNIA																							
BAKERSFIELD																							
1	SLM	41	35	1.12	47	4.2	99	26	5.7	2.8	2	3	6.2	129	48	5.9	4.5	90	80	20	15	74	
ACALA SJ-2																							
BAKERSFIELD																							
1	MID	31	35	1.07	48	4.7	97	26	5.6	1.6	1	4	6.0 1/2	119	43	5.4	4.1	100	90	14	9	63	
ACALA SJ-2																							
BUTTERNWILLOW																							
1	MID	31	35	1.10	47	4.7	101	26	5.8	1.6	1	4	5.2	127	46	5.8	4.4	110	90	10	10	74	
2	MID	31	36	1.09	45	4.4	99	26	5.9	1.7	1	4	6.0	121	45	5.8	4.4	110	80	11	11	65	

1/ End breakage too high to spin 50s yarn. 36s yarn spun and strength adjusted to equivalent of 50s.
2/ Cotton stuck to processing rolls.

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974--(Continued)

Production Area, Classification				Fiber Test Results										Processing Test Results - Carded Yarns										
Sample Number				Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Potential		
No	Grade	Stple	32s	In	Pct		Unif.	Rdg			Mpsi	G/tex		Pct	Gra	Yel	Pct	Lbs	Pct	Lbs	22s or 27 tx		50s or 12 tx	22s or 27 tx
WEST AREA--(Continued)																								
CALIFORNIA--(Continued)																								
CHOWCHILLA																								
1 MID	31	36	1.14	47	4.2	102	28	ACALA SJ-2	5.6	2.2	1	3	5.5	100 PERCENT	131	49	5.8	4.3	90	80	16	13	79	
CORCORAN																								
1 MID	31	35	1.11	48	4.9	98	26	ACALA SJ-2	5.7	1.7	2	4	5.4	100 PERCENT	121	46	5.7	4.3	100	70	18	15	69	
2 MID	31	35	1.12	46	4.3	102	28		5.3	1.6	1	3	6.0		124	47	5.7	4.2	100	70	16	9	68	
HANFORD																								
1 SLM	41	35	1.12	47	4.3	101	27	ACALA SJ-2	5.7	2.3	2	3	5.2	99 PERCENT	128	48	5.8	4.5	100	80	12	9	76	
LOS BANDS																								
1 MID	31	35	1.13	47	4.6	93	27	ACALA SJ-2	6.2	1.8	1	3	5.9	100 PERCENT	124	45	5.9	4.2	90	70	23	16	71	
LOST HILLS																								
1 SLM PLUS	40	35	1.09	48	4.8	102	30	ACALA SJ-3	5.7	2.6	1	3	6.1	100 PERCENT	131	50	5.7	4.6	100	80	23	16	73	
SAN JOAQUIN																								
1 SLM PLUS	40	36	1.15	47	4.1	89	27	ACALA SJ-2	6.3	2.1	1	3	5.9	100 PERCENT	129	50	6.1	4.7	90	80	13	11	80	
STRATFORD																								
1 SLM	41	35	1.09	45	3.1	98	26	ACALA SJ-2	5.9	2.8	2	3	5.5	100 PERCENT	129	49	6.2	4.8	90	70	16	13	82	
TRANQUILITY																								
1 MID	31	35	1.12	47	4.5	102	27	ACALA SJ-2	5.8	1.5	1	3	5.5	100 PERCENT	129	48	5.7	4.7	110	90	13	9	77	
TULARE																								
1 SLM	41	35	1.10	46	3.8	95	27	ACALA SJ-2	6.0	2.3	2	3	5.8	100 PERCENT	128	47	5.8	4.4	100	70	8	10	77	
2 SLM	41	35	1.10	46	4.1	96	26		6.1	2.3	1	3	6.0		127	48	6.1	4.5	90	70	12	8	77	
VISALIA																								
1 MID	31	35	1.10	48	4.5	103	28	ACALA SJ-3	5.5	1.3	1	3	4.2	70 PERCENT	133	50	5.7	4.4	110	70	14	11	79	
WESTMORLAND																								
1 MID	31	35	1.09	44	4.5	88	23	DELTAPINE	61	1.9	1	3	5.4	100 PERCENT	108	37	5.9	4.1	90	70	19	12	60	
WEST TEXAS																								
PECOS																								
1 SLM LT SP	42	34	1.08	45	4.5	79	21	STONEVILLE	213	3.5	4	4	6.9	100 PERCENT	95	31	6.4	3.9	100	80	12	8	60	

1/ 100 percent selected for tests, less than 100 percent in the area.

Table 4 --Cotton, American upland long staple: Quality characteristics by production areas, crop of 1974

Production Area, Classification				Fiber Test Results										Processing Test Results - Carded Yarns													
Sample Number				Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Comber Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Potential					
No	Grade	Stple	32s	2.5% span	Unif.		In	Pct			Rdg	Mpsi		G/tex	Pct	No	Gra	Yel	22s or 27 tx	50s or 12 tx	Pct		Pct	22s or 27 tx	50s or 12 tx	No	No
SOUTHEAST AREA																											
ALABAMA																											
GERALDINE																											
1	LM		51	35	1.16	44		3.9	82	24		COKER 310		4.9	3	3	8.7	100 PERCENT	116	40	6.6	5.1	90	70	22	20	82
														* 15.6	134	48	7.0	5.6	120	90	10	7					
SOUTH CAROLINA																											
HARTSVILLE																											
2	SLM		41	36	1.16	43		4.1	79	21		COKER 310		2.9	2	3	7.9	100 PERCENT	104	35	6.2	4.5	100	80	15	10	71
														* 15.2	122	43	6.5	5.1	110	100	5	5					
SOUTH CENTRAL AREA																											
MISSISSIPPI																											
MORGAN CITY																											
2	SLM		41	36	1.15	45		4.5	86	22		COKER 310		4.0	2	3	9.3	100 PERCENT	104	33	5.9	4.2	120	90	9	9	64
														* 17.4	121	43	6.0	4.8	130	100	4	3					
TENNESSEE																											
TRENTON																											
2	SLM		41	35	1.15	42		4.0	85	23		COKER 310		2.8	2	3	8.2	90 PERCENT	107	36	6.2	4.6	90	70	20	16	65
														* 18.0	127	45	6.8	5.3	100	90	8	8					
WEST AREA																											
NEW MEXICO																											
ANIMAS																											
1	SLM		41	37	1.17	45		3.5	91	25		ACALA 1517-V		3.2	2	3	7.2	75 PERCENT	135	49	6.4	4.9	100	80	15	11	101
														* 13.7	155	56	7.0	5.4	120	90	7	4					
ARTESIA																											
1	SLM		41	37	1.14	44		4.0	92	25		ACALA 1517 70		2.3	2	3	7.5	70 PERCENT	125	43	6.0	4.4	90	70	17	14	80
														* 17.5	147	53	6.4	4.9	100	90	7	7					

* Comber Waste and Combed Yarn Data